Tranolithus manifestus Stover, 1966

Description:

The coccoliths have an elliptical outline in proximal or distal view with the central opening spanned by two slightly arched, more or less parallel transverse bars. The rim is of medium width, smooth, and not clearly separated from central structures. Each transverse bar is composed of two parts which meet along the longitudinal axis of the coccolith. The crystallographic orientation of components of the crossbars and adjacent parts of the rim is the same or nearly so. The transverse bars are slightly enlarged where they merge almost imperceptibly with the rim. The curvature of extinction lines across the rim is dextral in distal view. Length 9-13 μ, width 7-9 μ, height 2-3 μ.

Remarks:

Comparison: Tranolithus manifestus differs from T. exiguus in being consistently larger and having more or less parallel transverse bars rather than triangular projections in the central opening.

Type level:

Campanian.

Occurrence: Turonian-Campanian.

Type locality:

Offaster pilula beds, north end of quarry at Sens, France; Campanian (Senonian); chalk (sample 2). Actinocamax plenus beds, Faubourg St. Jacques, just west of Joigny, France; Turonian; chalk (sample 13).

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Depository:

Author:
Stover L. E., 1966, p. 146; pl. 4, figs. 26, 27a, b; pl. 9, fig. 6.

Reference: